BRUHAT BENGALURU MAHANAGARA PALIKE

RR Nagar Zone

e Of Work : Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17

Description of Items	Unit	No	Est .Cost Rs. L(M)	B(M)	D(M)	1100.00 Qty	Rate	Lakhs Amount
Road								
Removing & Refixing stone slabs of drains and pointing in C.M (1:3)P. No 27 I.No 5.33								
HMT Layout								
Sri Chowdeshwari Temple Road		2	278.00	1.20		667.20		
60ft Road		2	32.00	0.90		57.60		
		2	242.00	1.20		580.80		
15th Main Road		1	398.00	1.20		477.60		
		1	398.00	1.50		597.00		
13th C Main Road		2	172.00	1.20		412.80		
13th B Main Road		2	196.00	1.20		470.40		
2nd Cross Road		2	242.00	1.20		580.80		
1st A Main Rd		2	55.00	1.20		132.00		
16th Main Rd		2	278.00	1.20		667.20		
15th A Main Road		2	206.00	1.20		494.40		
14th B Main Rd		2	183.00	1.20		439.20		
14th A Main Rd		2	184.00	1.20		441.60		
14th Main Rd		2	153.00	1.20		367.20		
Smiles Hospetal Rd		2	136.00	1.20		326.40		
2nd Cross Road		2	237.00	1.20		568.80		
14th Main 2nd Cross		2	204.00	1.20		489.60		
2nd B Road		2	63.00	1.20		151.20		
15th B Main Road		2	175.00	1.20		420.00		
1st Cross Road		2	245.00	1.20		588.00		
14th A Cross		2	85.00	1.20		204.00		
3rd Cross Rd		2	425.00	1.20		1020.00		
5th Cross Road		1	375.00	1.20		450.00		
		1	375.00	2.20		825.00		
6th Cross road		2	439.00	1.20		1053.60		
12th Main Rd		2	240.00	1.20		576.00		
13th Main Road		2	464.00	1.20		1113.60		
4th cross Road		2	392.00	1.20		940.80		
HMT Layout								
7th Cross Road		2	310.00	0.90		558.00		
3rd Cross Rd Akkiyappa Gardan		2	245.00	0.90		441.00		
6th Main Road		2	115.00	0.90		207.00		
5th Cross Road		2	140.00	0.90		252.00		
9th Cross Road		2	271.00	0.90		487.80		
10th Cross Road		2	280.00	0.90		504.00		
12th Cross Road		2	288.00	0.90		518.40		
14th A Main Rd		1	87.00	0.90		78.30		
Muthyalana Nagara								
5th B Cross Road		2	366.00	0.90		658.80		
15th A crossRoad		2	352.00	0.90		633.60		
15th crossRoad		2	392.00	0.90		705.60		
18th Cross Road		2	510.00	0.90		918.00		
17th Cross Road		2	564.00	0.90		1015.20		
						22090.50		
25% Broken and Missing slabs						**5522.63**		
						16567.88	111.30	**1844004.49**
Basic Rate	105.00							
Area Weightage 6%	6.30							
Total Rate	111.30							

KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 P.No 143 I.No 19.1

Desilting	Cum							
HMT Layout								
Sri Chowdeshwari Temple Road								
60ft Road		2	278.00	0.60	0.75	250.20		
		2	32.00	0.60	0.60	23.04		
15th Main Road		2	242.00	0.60	0.65	188.76		
		1	398.00	0.60	0.80	191.04		
13th C Main Road		1	398.00	0.60	0.75	179.10		
13th B Main Road		2	172.00	0.60	0.75	154.80		
2nd Cross Road		2	196.00	0.60	0.75	176.40		
1st A Main Rd		2	242.00	0.60	0.75	217.80		
16th Main Rd		2	55.00	0.60	0.75	49.50		
15th A Main Road		2	278.00	0.60	0.75	250.20		
14th B Main Rd		2	206.00	0.60	0.75	185.40		
14th A Main Rd		2	183.00	0.60	0.75	164.70		
14th Main Rd		2	184.00	0.60	0.75	165.60		
Smiles Hospetal Rd		2	153.00	0.60	0.75	137.70		
2nd Cross Road		2	136.00	0.60	0.75	122.40		
14th Main 2nd Cross		2	237.00	0.60	0.75	213.30		
2nd B Road		2	204.00	0.60	0.75	183.60		
15th B Main Road		2	63.00	0.60	0.75	56.70		
1st Cross Road		2	175.00	0.60	0.80	168.00		
14th A Cross		2	245.00	0.60	0.75	220.50		
3rd Cross Rd		2	85.00	0.60	0.80	81.60		
5th Cross Road		2	425.00	0.60	0.75	382.50		
		1	375.00	0.60	0.75	168.75		
6th Cross road		1	375.00	0.60	0.75	168.75		
12th Main Rd		2	439.00	0.60	0.75	395.10		
13th Main Road		2	240.00	0.60	0.60	172.80		
4th cross Road		2	464.00	0.60	0.60	334.08		
HMT Layout		2	392.00	0.60	0.60	282.24		
7th Cross Road								
3rd Cross Rd Akkiyappa Gardan		2	310.00	0.60	0.80	297.60		
6th Main Road		2	245.00	0.60	0.80	235.20		
5th Cross Road		2	115.00	0.60	0.80	110.40		
9th Cross Road		2	140.00	0.60	0.80	134.40		
10th Cross Road		2	271.00	0.60	0.80	260.16		
12th Cross Road		2	280.00	0.60	0.80	268.80		
14th A Main Rd		2	288.00	0.60	0.80	276.48		
Muthyalana Nagara		1	87.00	0.60	0.80	41.76		
5th B Cross Road								
15th A crossRoad		2	366.00	0.60	0.80	351.36		
15th crossRoad		2	352.00	0.60	0.80	337.92		
18th Cross Road		2	392.00	0.60	0.80	376.32		
17th Cross Road		2	510.00	0.60	0.80	489.60		
New Culverts		2	564.00	0.60	0.80	541.44		
		8	4.50	1.20	1.30	56.16		
		6	5.50	1.20	1.30	51.48		
		5	6.20	1.20	1.30	48.36		
		3	6.90	1.20	1.30	32.29		
						9194.29	235.76	**2167646.28**
Basic Rate	130.00							
Add Loading and Unloading	57.00							
Add for lead for earth (1.28 Tonne / Cum) 16km	40.96							
Area Weightage 6%	7.80							
Total Rate	235.76							

KSRRB M2900-1. **Plain cement concrete 1:3:6** mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408 KPWD S.R 2018-19 Page No. 254 I.No. 34.1

New Culverts	Cum							
		8	4.50	1.20	0.15	6.48		

		6	5.50	1.20	0.15	5.94		
		5	6.20	1.20	0.15	5.58		
		3	6.90	1.20	0.15	3.73		
						21.73	4,479.56	**97322.92**
Basic Rate	4,226.00							
Area Weightage 6%	253.56							
Total Rate	**4,479.56**							

Providing and laying plain/reinforced ***cement concrete for side drains*** *using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.Wall & bottom thickness 15cm KPWD S.R 2018-19 Page No. 271 I.No. 37.59.2*

Raft	Cum							
New Culverts								
		8	4.50	1.00	0.15	5.40		
		6	5.50	1.00	0.15	4.95		
		5	6.20	1.00	0.15	4.65		
		3	6.90	1.00	0.15	3.11		
Side Wall								
New Culverts								
		16	4.50	0.20	0.90	12.96		
		12	5.50	0.20	0.90	11.88		
		10	6.20	0.20	0.90	11.16		
		6	6.90	0.20	0.90	7.45		
						61.56	7070.20	**435220.30**
Basic Rate	6,670.00							
Area Weightage 6%	400.20							
Total Rate	**7,070.20**							

KSRRB M2200-6. Providing ***T.M.T. steel reinforcement*** *for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 500(P-229/28.8.2) PWD SR 2018-19*

For Culvert	***Ton***							
Total RCC Quantity =	Cum					61.56		
For 1 Cum = 80	Kg					80.00		
						4924.56		
						4.92	72326.98	**356178.55**
Basic Rate	68,233.00							
Area Weightage 6%	4,093.98							
Total Rate	**72,326.98**							

*KSRB 5.14.1 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.-do with solid concrete blocks of size 400*200*200 mm (P-27/5.27.1) PWD SR 2018-19*

Flagging Course Solid Block	***Cum***							
HMT Layout								
Sri Chowdeshwari Temple Road		4	278.00		0.20	222.40		
60ft Road		4	32.00		0.20	25.60		
		4	242.00		0.20	193.60		
15th Main Road		2	398.00		0.20	159.20		
		2	398.00		0.20	159.20		
13th C Main Road		4	172.00		0.20	137.60		
13th B Main Road		4	196.00		0.20	156.80		
2nd Cross Road		4	242.00		0.20	193.60		
1st A Main Rd		4	55.00		0.20	44.00		
16th Main Rd		4	278.00		0.20	222.40		
15th A Main Road		4	206.00		0.20	164.80		
14th B Main Rd		4	183.00		0.20	146.40		
14th A Main Rd		4	184.00		0.20	147.20		

14th Main Rd								
Smiles Hospetal Rd		4	153.00		0.20	122.40		
2nd Cross Road		4	136.00		0.20	108.80		
14th Main 2nd Cross		4	237.00		0.20	189.60		
2nd B Road		4	204.00		0.20	163.20		
15th B Main Road		4	63.00		0.20	50.40		
1st Cross Road		4	175.00		0.20	140.00		
14th A Cross		4	245.00		0.20	196.00		
3rd Cross Rd		4	85.00		0.20	68.00		
5th Cross Road		4	425.00		0.20	340.00		
		2	375.00		0.20	150.00		
6th Cross road		2	375.00		0.20	150.00		
12th Main Rd		4	439.00		0.20	351.20		
13th Main Road		4	240.00		0.20	192.00		
4th cross Road		4	464.00		0.20	371.20		
		4	392.00		0.20	313.60		
Basic Rate	912.00					**4879.20**	966.72	**4716820.22**
Area Weightage 6%	54.72							
Total Rate	**966.72**							

Providing ruled pointing *to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications.– do – cement mortar 1:3(P-256/34.13.2) PWD SR 2018-19*

Pointing For Wall	***Cum***							
HMT Layout								
Sri Chowdeshwari Temple Road		4	278.00		0.60	667.20		
60ft Road		4	32.00		0.60	76.80		
		4	242.00		0.60	580.80		
15th Main Road		2	398.00		0.60	477.60		
		2	398.00		0.60	477.60		
13th C Main Road		4	172.00		0.60	412.80		
13th B Main Road		4	196.00		0.60	470.40		
2nd Cross Road		4	242.00		0.60	580.80		
1st A Main Rd		4	55.00		0.60	132.00		
16th Main Rd		4	278.00		0.60	667.20		
15th A Main Road		4	206.00		0.60	494.40		
14th B Main Rd		4	183.00		0.60	439.20		
14th A Main Rd		4	184.00		0.60	441.60		
14th Main Rd		4	153.00		0.60	367.20		
Smiles Hospetal Rd		4	136.00		0.60	326.40		
2nd Cross Road		4	237.00		0.60	568.80		
14th Main 2nd Cross		4	204.00		0.60	489.60		
2nd B Road		4	63.00		0.60	151.20		
15th B Main Road		4	175.00		0.60	420.00		
1st Cross Road		4	245.00		0.60	588.00		
14th A Cross		4	85.00		0.60	204.00		
3rd Cross Rd		4	425.00		0.60	1020.00		
5th Cross Road		2	375.00		0.60	450.00		
		2	375.00		0.60	450.00		
6th Cross road		4	439.00		0.60	1053.60		
12th Main Rd		4	240.00		0.60	576.00		
13th Main Road		4	464.00		0.60	1113.60		
4th cross Road		4	392.00		0.60	940.80		
HMT Layout								
7th Cross Road		2	310.00		0.60	372.00		
3rd Cross Rd Akkiyappa Gardan		2	245.00		0.60	294.00		
6th Main Road		2	115.00		0.60	138.00		
5th Cross Road		2	140.00		0.60	168.00		
9th Cross Road		2	271.00		0.60	325.20		
10th Cross Road		2	280.00		0.60	336.00		
12th Cross Road		2	288.00		0.60	345.60		
14th A Main Rd		1	87.00		0.60	52.20		
Muthyalana Nagara								
5th B Cross Road		2	366.00		0.60	439.20		

15th A crossRoad		2	352.00		0.60	422.40		
15th crossRoad		2	392.00		0.60	470.40		
18th Cross Road		2	510.00		0.60	612.00		
17th Cross Road		2	564.00		0.60	676.80		
						19289.40	150.52	**2903440.49**
Basic Rate	142.00							
Area Weightage 6%	8.52							
Total Rate	**150.52**							

roviding and laying in **position plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded ranite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 5 cms. thick, well compacted, for coping including cost of all materials, labour, HOM curing Complete as per specifications. pecification No. KBS 4.1, 4.2(P-255/34.11) PWD SR 2018-19

Copping For Wall	**Sqm**							
HMT Layout								
Sri Chowdeshwari Temple Road		4	278.00	0.20	0.15	33.36		
60ft Road		4	32.00	0.20	0.15	3.84		
		4	242.00	0.20	0.15	29.04		
15th Main Road		2	398.00	0.20	0.15	23.88		
		2	398.00	0.20	0.15	23.88		
13th C Main Road		4	172.00	0.20	0.15	20.64		
13th B Main Road		4	196.00	0.20	0.15	23.52		
2nd Cross Road		4	242.00	0.20	0.15	29.04		
1st A Main Rd		4	55.00	0.20	0.15	6.60		
16th Main Rd		4	278.00	0.20	0.15	33.36		
15th A Main Road		4	206.00	0.20	0.15	24.72		
14th B Main Rd		4	183.00	0.20	0.15	21.96		
14th A Main Rd		4	184.00	0.20	0.15	22.08		
14th Main Rd		4	153.00	0.20	0.15	18.36		
Smiles Hospetal Rd		4	136.00	0.20	0.15	16.32		
2nd Cross Road		4	237.00	0.20	0.15	28.44		
14th Main 2nd Cross		4	204.00	0.20	0.15	24.48		
2nd B Road		4	63.00	0.20	0.15	7.56		
15th B Main Road		4	175.00	0.20	0.15	21.00		
1st Cross Road		4	245.00	0.20	0.15	29.40		
14th A Cross		4	85.00	0.20	0.15	10.20		
3rd Cross Rd		4	425.00	0.20	0.15	51.00		
5th Cross Road		2	375.00	0.20	0.15	22.50		
		2	375.00	0.20	0.15	22.50		
6th Cross road		4	439.00	0.20	0.15	52.68		
12th Main Rd		4	240.00	0.20	0.15	28.80		
13th Main Road		4	464.00	0.20	0.15	55.68		
4th cross Road		4	392.00	0.20	0.15	47.04		
HMT Layout								
7th Cross Road		2	310.00	0.20	0.15	18.60		
3rd Cross Rd Akkiyappa Gardan		2	245.00	0.20	0.15	14.70		
6th Main Road		2	115.00	0.20	0.15	6.90		
5th Cross Road		2	140.00	0.20	0.15	8.40		
9th Cross Road		2	271.00	0.20	0.15	16.26		
10th Cross Road		2	280.00	0.20	0.15	16.80		
12th Cross Road		2	288.00	0.20	0.15	17.28		
14th A Main Rd		1	87.00	0.20	0.15	2.61		
Muthyalana Nagara								
5th B Cross Road		2	366.00	0.20	0.15	21.96		
15th A crossRoad		2	352.00	0.20	0.15	21.12		
15th crossRoad		2	392.00	0.20	0.15	23.52		
18th Cross Road		2	510.00	0.20	0.15	30.60		
17th Cross Road		2	564.00	0.20	0.15	33.84		
						964.47	5599.98	**5401012.71**
Basic Rate	5,283.00							
Area Weightage 6%	316.98							
Total Rate	**5,599.98**							

77

roviding **granite slabs of selected quality** roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., omplete.- do - 10 cms thick (P-27/5.31.2) PWD SR 2018-19

New Slab	**Sqm**							
25% Broken and Missing slabs						5522.63		
						5522.63	966.72	**5338832.04**
Basic Rate	912.00							
Area Weightage 6%	54.72							
Total Rate	**966.72**							

KSRB 5-8.1 : Providing **one line dressing** to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13(P-26/5.17) PWD SR 2018-19

New Slab	**Sqm**							
Qnty of New Slabs						5522.63		
						5522.63	950.82	**5251022.30**
Basic Rate	897.00							
Area Weightage 6%	53.82							
Total Rate	**950.82**							

KSRB 5-9 : Providing **chamfering edges to stone slab** 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13(P-26/5.22) PWD SR 2018-19

New Slab	**Sqm**							
Qnty of New Slabs/0.6		9204	2.80			25771.20		
						25771.20	61.48	**1584413.38**
Basic Rate	58.00							
Area Weightage 6%	3.48							
Total Rate	**61.48**							

Providing and Fixing **RCC Precast Cover Slab** of 250 mm Thick for Drains in Cement Concrete M-20 using graded granite Jelly of 20 mm and down size with steel Reinforcement, including form work lift charges, curing and concrete finished surface on both sides etc., as per drawing and the direction of Enginner-in-charge.Data Rate

New culvert		sqm							
			8	4.50	1.00		36.00		
			6	5.50	1.00		33.00		
			5	6.20	1.00		31.00		
			3	6.90	1.00		20.70		
							120.70	5418.00	**653952.60**
Data Rate		**5,418.00**							

Removing and resetting of kerb stones.Page No. 270 Item No. 37.57/ PWD SR 2018-19

Existing Kerbs Stones	mtr						
HMT Layout							
Sri Chowdeshwari Temple Road		2	278.00			556.00	
60ft Road		2	32.00			64.00	
		2	242.00			484.00	
15th Main Road		1	398.00			398.00	
		1	398.00			398.00	
13th C Main Road		2	172.00			344.00	
13th B Main Road		2	196.00			392.00	
2nd Cross Road		2	242.00			484.00	
1st A Main Rd		2	55.00			110.00	
16th Main Rd		2	278.00			556.00	
15th A Main Road		2	206.00			412.00	
14th B Main Rd		2	183.00			366.00	
14th A Main Rd		2	184.00			368.00	
14th Main Rd		2	153.00			306.00	
Smiles Hospetal Rd		2	136.00			272.00	
2nd Cross Road		2	237.00			474.00	
14th Main 2nd Cross		2	204.00			408.00	
2nd B Road		2	63.00			126.00	
15th B Main Road		2	175.00			350.00	

1st Cross Road		2	245.00			490.00		
14th A Cross		2	85.00			170.00		
3rd Cross Rd		2	425.00			850.00		
5th Cross Road		1	375.00			375.00		
		1	375.00			375.00		
6th Cross road		2	439.00			878.00		
12th Main Rd		2	240.00			480.00		
13th Main Road		2	464.00			928.00		
4th cross Road		2	392.00			784.00		
HMT Layout								
7th Cross Road		2	310.00			620.00		
3rd Cross Rd Akkiyappa Gardan		2	245.00			490.00		
6th Main Road		2	115.00			230.00		
5th Cross Road		2	140.00			280.00		
9th Cross Road		2	271.00			542.00		
10th Cross Road		2	280.00			560.00		
12th Cross Road		2	288.00			576.00		
14th A Main Rd		1	87.00			87.00		
Muthyalana Nagara								
5th B Cross Road		2	366.00			732.00		
15th A crossRoad		2	352.00			704.00		
15th crossRoad		2	392.00			784.00		
18th Cross Road		2	510.00			1020.00		
17th Cross Road		2	564.00			1128.00		
30% missing						**-5985.30**		
						13965.70	104.94	**1465560.56**
Basic Rate	99.00							
Area Weightage 6%	5.94							
Total Rate	**104.94**							

Providing and fixing pre cast **solid concrete kerb stones** of size **450x150x500** mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.Page No. 27/ Item No. 5.29.2/ PWD SR 2018-19

New Kerb	No's							
30% missing						5985.30		
Total Length						**5985.30**		
total Num of kerbs		1	5985.30	/0.45		**13301.00**	467.46	**6217685.46**
Basic Rate	441.00							
Area Weightage 6%	26.46							
Total Rate	**467.46**							

KSRRB 800-1. Painting **two coats after filling** the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No. 180/ Item No. 24.1/ PWD SR 2018-19

Painting	Sqm							
Qnty of RR Kerb & New Kerb Length		1	19951.00	0.40		7980.40		
						7980.40	84.80	**676737.92**
Basic Rate	80.00							
Area Weightage 6%	4.80							
Total Rate	**84.80**							

Road Works

KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(pg no-140,S.Lno-18.47)KPWD S.R 2018-19

CC Roads	Cum							
14th B Main Road		1	72.00	4.70	0.15	50.76		
W0435		1	110.00	3.20	0.15	52.80		
5th Cross Road		1	132.00	5.90	0.15	116.82		
5th B Cross Road		1	74.00	5.30	0.15	58.83		
		1	20.00	4.20	0.15	12.60		
5th B Cross Road		1	30.00	4.70	0.15	21.15		
3rd Cross Rd SBM Colony		1	35.00	7.20	0.15	37.80		
Basic Rate	390.00					**350.76**	454.36	**159371.31**
Add for lead for earth (1.28 Tonne / Cum) for 16km	40.96							
Area Weightage 6%	23.40							

Total Rate	454.36							

SRRB M300-14. Excavation for **roadwork** in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and oading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and ransporting to embankment location and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-9.14)KPWD S.R 2018-19

estoring	Cum							
For Pot Holes								
HMT Layout								
Sri Chowdeshwari Temple Road								
60ft Road		19	1.20	1.30	0.30	8.89		
		2	2.00	1.40	0.30	1.68		
15th Main Road		16	1.50	1.50	0.30	10.80		
13th C Main Road		27	1.80	1.50	0.30	21.87		
13th B Main Road		11	1.20	1.20	0.30	4.75		
2nd Cross Road		13	1.20	1.50	0.30	7.02		
1st A Main Rd		16	1.50	1.20	0.30	8.64		
16th Main Rd		4	1.00	1.50	0.30	1.80		
15th A Main Road		19	1.50	1.40	0.30	11.97		
14th B Main Rd		14	1.20	1.40	0.30	7.06		
14th A Main Rd		12	1.80	1.50	0.30	9.72		
14th Main Rd		12	1.20	1.20	0.30	5.18		
Smiles Hospetal Rd		10	1.50	1.40	0.30	6.30		
2nd Cross Road		9	1.80	1.20	0.30	5.83		
14th Main 2nd Cross		16	1.20	1.50	0.30	8.64		
2nd B Road		14	1.20	1.50	0.30	7.56		
15th B Main Road		4	1.20	1.40	0.30	2.02		
1st Cross Road		12	1.20	1.40	0.30	6.05		
14th A Cross		16	1.20	1.50	0.30	8.64		
3rd Cross Rd		6	1.40	1.50	0.30	3.78		
5th Cross Road		28	1.20	1.20	0.30	12.10		
6th Cross road		25	1.50	1.20	0.30	13.50		
12th Main Rd		29	1.60	1.40	0.30	19.49		
13th Main Road		16	1.20	1.00	0.30	5.76		
4th cross Road		31	1.20	1.00	0.30	11.16		
7th Cross Road		26	1.20	1.00	0.30	9.36		
3rd Cross Rd Akkiyappa Gardan		20	1.20	1.00	0.30	7.20		
6th Main Road		15	2.00	1.00	0.30	9.00		
9th Cross Road		7	1.50	1.00	0.30	3.15		
10th Cross Road		17	1.50	1.00	0.30	7.65		
12th Cross Road		17	1.50	1.00	0.30	7.65		
14th A Main Rd		18	1.50	1.00	0.30	8.10		
Muthyalana Nagara		6	1.50	1.00	0.30	2.70		
5th B Cross Road		24	1.50	1.00	0.30	10.80		
15th A crossRoad		23	1.50	1.00	0.30	10.35		
15th crossRoad		26	1.50	1.00	0.30	11.70		
18th Cross Road		34	1.50	1.00	0.30	15.30		
17th Cross Road		38	1.50	1.00	0.30	17.10		
Cutting trench Portion/BWSSB								
HMT Layout								
Sri Chowdeshwari Temple Road		2	83.40	1.20	0.30	60.05		
60ft Road		2	9.60	0.90	0.30	5.18		
		2	72.60	1.20	0.30	52.27		
15th Main Road		2	119.40	1.20	0.30	85.97		
13th C Main Road		2	51.60	1.20	0.30	37.15		
13th B Main Road		2	58.80	1.20	0.30	42.34		
2nd Cross Road		2	72.60	1.20	0.30	52.27		
1st A Main Rd		2	16.50	1.20	0.30	11.88		
16th Main Rd		2	83.40	1.20	0.30	60.05		
15th A Main Road		2	61.80	1.20	0.30	44.50		
14th B Main Rd		2	54.90	1.20	0.30	39.53		
14th A Main Rd		2	55.20	1.20	0.30	39.74		
14th Main Rd		2	45.90	1.20	0.30	33.05		
Smiles Hospetal Rd		2	40.80	1.20	0.30	29.38		

2nd Cross Road		2	71.10	1.20	0.30	51.19		
14th Main 2nd Cross		2	61.20	1.20	0.30	44.06		
2nd B Road		2	18.90	1.20	0.30	13.61		
15th B Main Road		2	52.50	1.20	0.30	37.80		
1st Cross Road		2	73.50	1.20	0.30	52.92		
14th A Cross		2	25.50	1.20	0.30	18.36		
3rd Cross Rd		2	127.50	1.20	0.30	91.80		
5th Cross Road		2	112.50	1.20	0.30	81.00		
6th Cross road		2	131.70	1.20	0.30	94.82		
12th Main Rd		2	72.00	1.20	0.30	51.84		
13th Main Road		2	139.20	1.20	0.30	100.22		
4th cross Road		2	117.60	1.20	0.30	84.67		
7th Cross Road		2	119.60	1.20	0.30	86.11		
3rd Cross Rd Akkiyappa Gardan		2	92.80	0.90	0.30	50.11		
6th Main Road		2	42.40	1.20	0.30	30.53		
9th Cross Road		2	104.00	1.20	0.30	74.88		
10th Cross Road		2	104.80	1.20	0.30	75.46		
12th Cross Road		2	108.80	1.20	0.30	78.34		
14th A Main Rd		2	34.80	1.20	0.30	25.06		
Muthyalana Nagara								
5th B Cross Road		2	140.00	1.20	0.30	100.80		
15th A crossRoad		2	135.00	1.20	0.30	97.20		
15th crossRoad		2	150.00	1.20	0.30	108.00		
18th Cross Road		2	205.00	1.20	0.30	147.60		
17th Cross Road		2	225.00	1.20	0.30	162.00		
CC Roads								
14th B Main Road		1	72.00	4.70	0.45	152.28		
W0435		1	110.00	3.20	0.45	158.40		
5th Cross Road		1	132.00	5.90	0.45	350.46		
5th B Cross Road		1	74.00	5.30	0.45	176.49		
0		1	20.00	4.20	0.45	37.80		
5th B Cross Road		1	30.00	4.70	0.45	63.45		
3rd Cross Rd SBM Colony		1	35.00	7.20	0.45	113.40		
						3734.28	84.42	**315247.92**
Basic Rate	41.00							
Add for lead for earth (1.28 Tonne / Cum) for 16km	40.96							
Area Weightage 6%	2.46							
Total Rate	84.42							

Construction of granular **sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19

Restoring	Cum							
For Pot Holes								
HMT Layout								
Sri Chowdeshwari Temple Road		19	1.20	1.30	0.15	4.45		
60ft Road		2	2.00	1.40	0.15	0.84		
		16	1.50	1.50	0.15	5.40		
15th Main Road		27	1.80	1.50	0.15	10.94		
13th C Main Road		11	1.20	1.20	0.15	2.38		
13th B Main Road		13	1.20	1.50	0.15	3.51		
2nd Cross Road		16	1.50	1.20	0.15	4.32		
1st A Main Rd		4	1.00	1.50	0.15	0.90		
16th Main Rd		19	1.50	1.40	0.15	5.99		
15th A Main Road		14	1.20	1.40	0.15	3.53		
14th B Main Rd		12	1.80	1.50	0.15	4.86		
14th A Main Rd		12	1.20	1.20	0.15	2.59		
14th Main Rd		10	1.50	1.40	0.15	3.15		
Smiles Hospetal Rd		9	1.80	1.20	0.15	2.92		
2nd Cross Road		16	1.20	1.50	0.15	4.32		
14th Main 2nd Cross		14	1.20	1.50	0.15	3.78		

2nd B Road		4	1.20	1.40	0.15	1.01		
15th B Main Road		12	1.20	1.40	0.15	3.02		
1st Cross Road		16	1.20	1.50	0.15	4.32		
14th A Cross		6	1.40	1.50	0.15	1.89		
3rd Cross Rd		28	1.20	1.20	0.15	6.05		
5th Cross Road		25	1.50	1.20	0.15	6.75		
6th Cross road		29	1.60	1.40	0.15	9.74		
12th Main Rd		16	1.20	1.00	0.15	2.88		
13th Main Road		31	1.20	1.00	0.15	5.58		
4th cross Road		26	1.20	1.00	0.15	4.68		
7th Cross Road		20	1.20	1.00	0.15	3.60		
3rd Cross Rd Akkiyappa Gardan		15	2.00	1.00	0.15	4.50		
6th Main Road		7	1.50	1.00	0.15	1.58		
9th Cross Road		17	1.50	1.00	0.15	3.83		
10th Cross Road		17	1.50	1.00	0.15	3.83		
12th Cross Road		18	1.50	1.00	0.15	4.05		
14th A Main Rd		6	1.50	1.00	0.15	1.35		
Muthyalana Nagara		0	0.00	0.00	0.15	0.00		
5th B Cross Road		24	1.50	1.00	0.15	5.40		
15th A crossRoad		23	1.50	1.00	0.15	5.18		
15th crossRoad		26	1.50	1.00	0.15	5.85		
18th Cross Road		34	1.50	1.00	0.15	7.65		
17th Cross Road		38	1.50	1.00	0.15	8.55		
Cutting trench Portion/BWSSB								
HMT Layout								
Sri Chowdeshwari Temple Road		2	83.40	1.20	0.15	30.02		
60ft Road		2	9.60	0.90	0.15	2.59		
		2	72.60	1.20	0.15	26.14		
15th Main Road		2	119.40	1.20	0.15	42.98		
13th C Main Road		2	51.60	1.20	0.15	18.58		
13th B Main Road		2	58.80	1.20	0.15	21.17		
2nd Cross Road		2	72.60	1.20	0.15	26.14		
1st A Main Rd		2	16.50	1.20	0.15	5.94		
16th Main Rd		2	83.40	1.20	0.15	30.02		
15th A Main Road		2	61.80	1.20	0.15	22.25		
14th B Main Rd		2	54.90	1.20	0.15	19.76		
14th A Main Rd		2	55.20	1.20	0.15	19.87		
14th Main Rd		2	45.90	1.20	0.15	16.52		
Smiles Hospetal Rd		2	40.80	1.20	0.15	14.69		
2nd Cross Road		2	71.10	1.20	0.15	25.60		
14th Main 2nd Cross		2	61.20	1.20	0.15	22.03		
2nd B Road		2	18.90	1.20	0.15	6.80		
15th B Main Road		2	52.50	1.20	0.15	18.90		
1st Cross Road		2	73.50	1.20	0.15	26.46		
14th A Cross		2	25.50	1.20	0.15	9.18		
3rd Cross Rd		2	127.50	1.20	0.15	45.90		
5th Cross Road		2	112.50	1.20	0.15	40.50		
6th Cross road		2	131.70	1.20	0.15	47.41		
12th Main Rd		2	72.00	1.20	0.15	25.92		
13th Main Road		2	139.20	1.20	0.15	50.11		
4th cross Road		2	117.60	1.20	0.15	42.34		
7th Cross Road		2	119.60	1.20	0.15	43.06		
3rd Cross Rd Akkiyappa Gardan		2	92.80	0.90	0.15	25.06		
6th Main Road		2	42.40	1.20	0.15	15.26		
9th Cross Road		2	104.00	1.20	0.15	37.44		
10th Cross Road		2	104.80	1.20	0.15	37.73		
12th Cross Road		2	108.80	1.20	0.15	39.17		
14th A Main Rd		2	34.80	1.20	0.15	12.53		
Muthyalana Nagara		0	0.00	0.00	0.15	0.00		
5th B Cross Road		2	140.00	1.20	0.15	50.40		
15th A crossRoad		2	135.00	1.20	0.15	48.60		
15th crossRoad		2	150.00	1.20	0.15	54.00		
18th Cross Road		2	205.00	1.20	0.15	73.80		
17th Cross Road		2	225.00	1.20	0.15	81.00		

CC Roads								
14th B Main Road								
W0435		1	72.00	4.70	0.15	50.76		
5th Cross Road		1	110.00	3.20	0.15	52.80		
5th B Cross Road		1	132.00	5.90	0.15	116.82		
		1	74.00	5.30	0.15	58.83		
5th B Cross Road		1	20.00	4.20	0.15	12.60		
3rd Cross Rd SBM Colony		1	30.00	4.70	0.15	21.15		
		1	35.00	7.20	0.15	37.80		
Basic Rate	1,882.00					**1691.76**	1994.92	**3374925.86**
Area Weightage 6%	112.92							
Total Rate	1,994.92							

KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 155/ Item No. 20.18/ PWD SR 2018-19

Restoring	Cum							
For Pot Holes								
HMT Layout								
Sri Chowdeshwari Temple Road								
60ft Road		19	1.20	1.30	0.23	6.82		
		2	2.00	1.40	0.23	1.29		
15th Main Road		16	1.50	1.50	0.23	8.28		
13th C Main Road		27	1.80	1.50	0.23	16.77		
13th B Main Road		11	1.20	1.20	0.23	3.64		
2nd Cross Road		13	1.20	1.50	0.23	5.38		
1st A Main Rd		16	1.50	1.20	0.23	6.62		
16th Main Rd		4	1.00	1.50	0.23	1.38		
15th A Main Road		19	1.50	1.40	0.23	9.18		
14th B Main Rd		14	1.20	1.40	0.23	5.41		
14th A Main Rd		12	1.80	1.50	0.23	7.45		
14th Main Rd		12	1.20	1.20	0.23	3.97		
Smiles Hospetal Rd		10	1.50	1.40	0.23	4.83		
2nd Cross Road		9	1.80	1.20	0.23	4.47		
14th Main 2nd Cross		16	1.20	1.50	0.23	6.62		
2nd B Road		14	1.20	1.50	0.23	5.80		
15th B Main Road		4	1.20	1.40	0.23	1.55		
1st Cross Road		12	1.20	1.40	0.23	4.64		
14th A Cross		16	1.20	1.50	0.23	6.62		
3rd Cross Rd		6	1.40	1.50	0.23	2.90		
5th Cross Road		28	1.20	1.20	0.23	9.27		
6th Cross road		25	1.50	1.20	0.23	10.35		
12th Main Rd		29	1.60	1.40	0.23	14.94		
13th Main Road		16	1.20	1.00	0.23	4.42		
4th cross Road		31	1.20	1.00	0.23	8.56		
7th Cross Road		26	1.20	1.00	0.23	7.18		
3rd Cross Rd Akkiyappa Gardan		20	1.20	1.00	0.23	5.52		
6th Main Road		15	2.00	1.00	0.23	6.90		
9th Cross Road		7	1.50	1.00	0.23	2.42		
10th Cross Road		17	1.50	1.00	0.23	5.87		
12th Cross Road		17	1.50	1.00	0.23	5.87		
14th A Main Rd		18	1.50	1.00	0.23	6.21		
Muthyalana Nagara		6	1.50	1.00	0.23	2.07		
5th B Cross Road		24	1.50	1.00	0.23	8.28		
15th A crossRoad		23	1.50	1.00	0.23	7.94		
15th crossRoad		26	1.50	1.00	0.23	8.97		
18th Cross Road		34	1.50	1.00	0.23	11.73		
17th Cross Road		38	1.50	1.00	0.23	13.11		
Cutting trench Portion/BWSSB								
HMT Layout								
Sri Chowdeshwari Temple Road		2	83.40	1.20	0.23	46.04		
60ft Road		2	9.60	0.90	0.23	3.97		

15th Main Road		2	72.60	1.20	0.23	40.08		
13th C Main Road		2	119.40	1.20	0.23	65.91		
13th B Main Road		2	51.60	1.20	0.23	28.48		
2nd Cross Road		2	58.80	1.20	0.23	32.46		
1st A Main Rd		2	72.60	1.20	0.23	40.08		
16th Main Rd		2	16.50	1.20	0.23	9.11		
15th A Main Road		2	83.40	1.20	0.23	46.04		
14th B Main Rd		2	61.80	1.20	0.23	34.11		
14th A Main Rd		2	54.90	1.20	0.23	30.30		
14th Main Rd		2	55.20	1.20	0.23	30.47		
Smiles Hospetal Rd		2	45.90	1.20	0.23	25.34		
2nd Cross Road		2	40.80	1.20	0.23	22.52		
14th Main 2nd Cross		2	71.10	1.20	0.23	39.25		
2nd B Road		2	61.20	1.20	0.23	33.78		
15th B Main Road		2	18.90	1.20	0.23	10.43		
1st Cross Road		2	52.50	1.20	0.23	28.98		
14th A Cross		2	73.50	1.20	0.23	40.57		
3rd Cross Rd		2	25.50	1.20	0.23	14.08		
5th Cross Road		2	127.50	1.20	0.23	70.38		
6th Cross road		2	112.50	1.20	0.23	62.10		
12th Main Rd		2	131.70	1.20	0.23	72.70		
13th Main Road		2	72.00	1.20	0.23	39.74		
4th cross Road		2	139.20	1.20	0.23	76.84		
7th Cross Road		2	117.60	1.20	0.23	64.92		
3rd Cross Rd Akkiyappa Gardan		2	119.60	1.20	0.23	66.02		
6th Main Road		2	92.80	0.90	0.23	38.42		
9th Cross Road		2	42.40	1.20	0.23	23.40		
10th Cross Road		2	104.00	1.20	0.23	57.41		
12th Cross Road		2	104.80	1.20	0.23	57.85		
14th A Main Rd		2	108.80	1.20	0.23	60.06		
Muthyalana Nagara		2	34.80	1.20	0.23	19.21		
5th B Cross Road		2	140.00	1.20	0.23	77.28		
15th A crossRoad		2	135.00	1.20	0.23	74.52		
15th crossRoad		2	150.00	1.20	0.23	82.80		
18th Cross Road		2	205.00	1.20	0.23	113.16		
17th Cross Road		2	225.00	1.20	0.23	124.20		
						2056.2	**2001.28**	**4115031.94**
Basic Rate	1888.00							
Area Weightage @ 6%	113.28							
Total	**2001.28**							

KSRRB M500-6. Providing and applying **primer coat with S.S. bitumen emulsion** on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.
Page No. 158/ Item No. 21.6/ PWD SR 2018-19 Issue Rates

Restoring	Cum							
For Pot Holes								
HMT Layout								
Sri Chowdeshwari Temple Road		19	1.20	1.30		29.64		
60ft Road		2	2.00	1.40		5.60		
		16	1.50	1.50		36.00		
15th Main Road		27	1.80	1.50		72.90		
13th C Main Road		11	1.20	1.20		15.84		
13th B Main Road		13	1.20	1.50		23.40		
2nd Cross Road		16	1.50	1.20		28.80		
1st A Main Rd		4	1.00	1.50		6.00		
16th Main Rd		19	1.50	1.40		39.90		
15th A Main Road		14	1.20	1.40		23.52		
14th B Main Rd		12	1.80	1.50		32.40		
14th A Main Rd		12	1.20	1.20		17.28		
14th Main Rd		10	1.50	1.40		21.00		
Smiles Hospetal Rd		9	1.80	1.20		19.44		
2nd Cross Road		16	1.20	1.50		28.80		

14th Main 2nd Cross		14	1.20	1.50		25.20		
2nd B Road		4	1.20	1.40		6.72		
15th B Main Road		12	1.20	1.40		20.16		
1st Cross Road		16	1.20	1.50		28.80		
14th A Cross		6	1.40	1.50		12.60		
3rd Cross Rd		28	1.20	1.20		40.32		
5th Cross Road		25	1.50	1.20		45.00		
6th Cross road		29	1.60	1.40		64.96		
12th Main Rd		16	1.20	1.00		19.20		
13th Main Road		31	1.20	1.00		37.20		
4th cross Road		26	1.20	1.00		31.20		
7th Cross Road		20	1.20	1.00		24.00		
3rd Cross Rd Akkiyappa Gardan		15	2.00	1.00		30.00		
6th Main Road		7	1.50	1.00		10.50		
9th Cross Road		17	1.50	1.00		25.50		
10th Cross Road		17	1.50	1.00		25.50		
12th Cross Road		18	1.50	1.00		27.00		
14th A Main Rd		6	1.50	1.00		9.00		
Muthyalana Nagara								
5th B Cross Road		24	1.50	1.00		36.00		
15th A crossRoad		23	1.50	1.00		34.50		
15th crossRoad		26	1.50	1.00		39.00		
18th Cross Road		34	1.50	1.00		51.00		
17th Cross Road		38	1.50	1.00		57.00		
Cutting trench Portion/BWSSB								
HMT Layout								
Sri Chowdeshwari Temple Road		2	83.40	1.20		200.16		
60ft Road		2	9.60	0.90		17.28		
		2	72.60	1.20		174.24		
15th Main Road		2	119.40	1.20		286.56		
13th C Main Road		2	51.60	1.20		123.84		
13th B Main Road		2	58.80	1.20		141.12		
2nd Cross Road		2	72.60	1.20		174.24		
1st A Main Rd		2	16.50	1.20		39.60		
16th Main Rd		2	83.40	1.20		200.16		
15th A Main Road		2	61.80	1.20		148.32		
14th B Main Rd		2	54.90	1.20		131.76		
14th A Main Rd		2	55.20	1.20		132.48		
14th Main Rd		2	45.90	1.20		110.16		
Smiles Hospetal Rd		2	40.80	1.20		97.92		
2nd Cross Road		2	71.10	1.20		170.64		
14th Main 2nd Cross		2	61.20	1.20		146.88		
2nd B Road		2	18.90	1.20		45.36		
15th B Main Road		2	52.50	1.20		126.00		
1st Cross Road		2	73.50	1.20		176.40		
14th A Cross		2	25.50	1.20		61.20		
3rd Cross Rd		2	127.50	1.20		306.00		
5th Cross Road		2	112.50	1.20		270.00		
6th Cross road		2	131.70	1.20		316.08		
12th Main Rd		2	72.00	1.20		172.80		
13th Main Road		2	139.20	1.20		334.08		
4th cross Road		2	117.60	1.20		282.24		
7th Cross Road		2	119.60	1.20		287.04		
3rd Cross Rd Akkiyappa Gardan		2	92.80	0.90		167.04		
6th Main Road		2	42.40	1.20		101.76		
9th Cross Road		2	104.00	1.20		249.60		
10th Cross Road		2	104.80	1.20		251.52		
12th Cross Road		2	108.80	1.20		261.12		
14th A Main Rd		2	34.80	1.20		83.52		
Muthyalana Nagara								
5th B Cross Road		2	140.00	1.20		336.00		
15th A crossRoad		2	135.00	1.20		324.00		
15th crossRoad		2	150.00	1.20		360.00		
18th Cross Road		2	205.00	1.20		492.00		

17th Cross Road		2	225.00	1.20		540.00		
						8940.0	29.68	265339.20
Basic Rate	28.00							
Area Weightage @ 6%	1.68							
Total	**29.68**							

KSRRB 500-2. **Cleaning the existing** black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision No. 406 Page No. 158/ Item No. 21.2/ PWD SR 2018-19

Resurfacing	Cum							
HMT Layout								
Sri Chowdeshwari Temple Road		1	278.00	7.10		1973.80		
60ft Road		1	32.00	6.40		204.80		
		1	242.00	10.00		2420.00		
15th Main Road		1	398.00	5.80		2308.40		
13th C Main Road		1	172.00	6.70		1152.40		
13th B Main Road		1	196.00	6.30		1234.80		
2nd Cross Road		1	242.00	5.90		1427.80		
1st A Main Rd		1	55.00	6.00		330.00		
16th Main Rd		1	278.00	5.70		1584.60		
15th A Main Road		1	206.00	5.00		1030.00		
14th B Main Rd		1	183.00	4.80		878.40		
14th A Main Rd		1	184.00	6.90		1269.60		
14th Main Rd		1	153.00	6.70		1025.10		
Smiles Hospetal Rd		1	136.00	6.80		924.80		
2nd Cross Road		1	237.00	6.00		1422.00		
14th Main 2nd Cross		1	204.00	9.00		1836.00		
2nd B Road		1	63.00	4.00		252.00		
15th B Main Road		1	175.00	4.10		717.50		
1st Cross Road		1	245.00	10.20		2499.00		
14th A Cross		1	85.00	3.80		323.00		
3rd Cross Rd		1	425.00	7.10		3017.50		
5th Cross Road		1	375.00	7.20		2700.00		
6th Cross road		1	439.00	6.90		3029.10		
12th Main Rd		1	240.00	6.20		1488.00		
13th Main Road		1	464.00	5.70		2644.80		
4th cross Road		1	392.00	5.40		2116.80		
HMT Layout								
7th Cross Road		1	310.00	6.40		1984.00		
3rd Cross Rd Akkiyappa Gardan		1	245.00	6.50		1592.50		
6th Main Road		1	115.00	4.30		494.50		
9th Cross Road		1	271.00	4.40		1192.40		
10th Cross Road		1	280.00	4.60		1288.00		
12th Cross Road		1	288.00	4.20		1209.60		
14th A Main Rd		1	87.00	4.30		374.10		
Muthyalana Nagara								
5th B Cross Road		1	366.00	4.80		1756.80		
15th A crossRoad		1	352.00	4.60		1619.20		
15th crossRoad		1	392.00	4.70		1842.40		
18th Cross Road		1	510.00	4.80		2448.00		
17th Cross Road		1	564.00	4.80		2707.20		
Deduct Primer Coat Area						-8940.00		
						49378.9	**5.30**	**261708.17**
Basic Rate	5.00							
Area Weightage @ 6%	0.30							
Total	**5.30**							

KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 158/ Item No. 21.7/ PWD SR 2018-19 Issue Rates

Resurfacing	Sqm							

B) For BC & DBM								
For Bc = Cleaning Qnty +Primer Coat Area		2	58318.90			**116637.80**		
Deduct Primer Coat		1	-8940.00			**-8940.00**		
For Bc						**107697.80**	**12.72**	**1369916.02**
Basic Rate	12.00							
Area Weightage @ 6%	0.72							
Total	**12.72**							

KSRRB M500-17. Providing and laying ***dense graded bituminous macadam*** *using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. Clause 505 of morth V revision using 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen. Page No. 160/ Item No. 21.17.6/ PWD SR 2018-19 Issue Rates*

Resurfacing	Cum							
HMT Layout								
Sri Chowdeshwari Temple Road		1	278.00	7.10	0.05	98.69		
60ft Road		1	32.00	6.40	0.05	10.24		
		1	242.00	10.00	0.05	121.00		
15th Main Road		1	398.00	5.80	0.05	115.42		
13th C Main Road		1	172.00	6.70	0.05	57.62		
13th B Main Road		1	196.00	6.30	0.05	61.74		
2nd Cross Road		1	242.00	5.90	0.05	71.39		
1st A Main Rd		1	55.00	6.00	0.05	16.50		
16th Main Rd		1	278.00	5.70	0.05	79.23		
15th A Main Road		1	206.00	5.00	0.05	51.50		
14th B Main Rd		1	183.00	4.80	0.05	43.92		
14th A Main Rd		1	184.00	6.90	0.05	63.48		
14th Main Rd		1	153.00	6.70	0.05	51.26		
Smiles Hospetal Rd		1	136.00	6.80	0.05	46.24		
2nd Cross Road		1	237.00	6.00	0.05	71.10		
14th Main 2nd Cross		1	204.00	9.00	0.05	91.80		
2nd B Road		1	63.00	4.00	0.05	12.60		
15th B Main Road		1	175.00	4.10	0.05	35.88		
1st Cross Road		1	245.00	10.20	0.05	124.95		
14th A Cross		1	85.00	3.80	0.05	16.15		
3rd Cross Rd		1	425.00	7.10	0.05	150.88		
5th Cross Road		1	375.00	7.20	0.05	135.00		
6th Cross road		1	439.00	6.90	0.05	151.46		
12th Main Rd		1	240.00	6.20	0.05	74.40		
13th Main Road		1	464.00	5.70	0.05	132.24		
4th cross Road		1	392.00	5.40	0.05	105.84		
HMT Layout								
7th Cross Road		1	310.00	6.40	0.05	99.20		
3rd Cross Rd Akkiyappa Gardan		1	245.00	6.50	0.05	79.63		
6th Main Road		1	115.00	4.30	0.05	24.73		
9th Cross Road		1	271.00	4.40	0.05	59.62		
10th Cross Road		1	280.00	4.60	0.05	64.40		
12th Cross Road		1	288.00	4.20	0.05	60.48		
14th A Main Rd		1	87.00	4.30	0.05	18.71		
Muthyalana Nagara								
5th B Cross Road		1	366.00	4.80	0.05	87.84		
15th A crossRoad		1	352.00	4.60	0.05	80.96		
15th crossRoad		1	392.00	4.70	0.05	92.12		
18th Cross Road		1	510.00	4.80	0.05	122.40		
17th Cross Road		1	564.00	4.80	0.05	135.36		
						2915.9	**6858.20**	**19998134.00**
Basic Rate	6470.00							
Area Weightage @ 6%	388.20							
Total	**6858.20**							

KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. -using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (Pg:162, It.No-21.22.6 PWD SR:2018-19)Issue Rates

Resurfacing	Cum							
For Asphalt								
HMT Layout								
Sri Chowdeshwari Temple Road		1	278.00	7.10	0.040	78.95		
60ft Road		1	32.00	6.40	0.040	8.19		
		1	242.00	10.00	0.040	96.80		
15th Main Road		1	398.00	5.80	0.040	92.34		
13th C Main Road		1	172.00	6.70	0.040	46.10		
13th B Main Road		1	196.00	6.30	0.040	49.39		
2nd Cross Road		1	242.00	5.90	0.040	57.11		
1st A Main Rd		1	55.00	6.00	0.040	13.20		
16th Main Rd		1	278.00	5.70	0.040	63.38		
15th A Main Road		1	206.00	5.00	0.040	41.20		
14th B Main Rd		1	183.00	4.80	0.040	35.14		
14th A Main Rd		1	184.00	6.90	0.040	50.78		
14th Main Rd		1	153.00	6.70	0.040	41.00		
Smiles Hospetal Rd		1	136.00	6.80	0.040	36.99		
2nd Cross Road		1	237.00	6.00	0.040	56.88		
14th Main 2nd Cross		1	204.00	9.00	0.040	73.44		
2nd B Road		1	63.00	4.00	0.040	10.08		
15th B Main Road		1	175.00	4.10	0.040	28.70		
1st Cross Road		1	245.00	10.20	0.040	99.96		
14th A Cross		1	85.00	3.80	0.040	12.92		
3rd Cross Rd		1	425.00	7.10	0.040	120.70		
5th Cross Road		1	375.00	7.20	0.040	108.00		
6th Cross road		1	439.00	6.90	0.040	121.16		
12th Main Rd		1	240.00	6.20	0.040	59.52		
13th Main Road		1	464.00	5.70	0.040	105.79		
4th cross Road		1	392.00	5.40	0.040	84.67		
HMT Layout								
7th Cross Road		1	310.00	6.40	0.040	79.36		
3rd Cross Rd Akkiyappa Gardan		1	245.00	6.50	0.040	63.70		
6th Main Road		1	115.00	4.30	0.040	19.78		
9th Cross Road		1	271.00	4.40	0.040	47.70		
10th Cross Road		1	280.00	4.60	0.040	51.52		
12th Cross Road		1	288.00	4.20	0.040	48.38		
14th A Main Rd		1	87.00	4.30	0.040	14.96		
Muthyalana Nagara								
5th B Cross Road		1	366.00	4.80	0.040	70.27		
15th A crossRoad		1	352.00	4.60	0.040	64.77		
15th crossRoad		1	392.00	4.70	0.040	73.70		
18th Cross Road		1	510.00	4.80	0.040	97.92		
17th Cross Road		1	564.00	4.80	0.040	108.29		
						2332.76	**7911.84**	**18456392.23**
Basic Rate	7464.00							
Area Weightage @ 6%	447.84							
Total	**7911.84**							

KSRRB M800-13. **Road Marking with Hot Applied Thermoplastic Compound w** ith Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No. 182/ Item No. 24.15 PWD SR 2018-19

Road Marking	Sqm							
HMT Layout								
Sri Chowdeshwari Temple Road		2.5	278.00	0.15		104.25		
60ft Road		2.5	32.00	0.15		12.00		
		2.5	242.00	0.15		90.75		
15th Main Road		2.5	398.00	0.15		149.25		

13th C Main Road		2.5	172.00	0.15		64.50		
13th B Main Road		2.5	196.00	0.15		73.50		
2nd Cross Road		2.5	242.00	0.15		90.75		
1st A Main Rd		2.5	55.00	0.15		20.63		
16th Main Rd		2.5	278.00	0.15		104.25		
15th A Main Road		2.5	206.00	0.15		77.25		
14th B Main Rd		2.5	183.00	0.15		68.63		
14th A Main Rd		2.5	184.00	0.15		69.00		
14th Main Rd		2.5	153.00	0.15		57.38		
Smiles Hospetal Rd		2.5	136.00	0.15		51.00		
2nd Cross Road		2.5	237.00	0.15		88.88		
14th Main 2nd Cross		2.5	204.00	0.15		76.50		
2nd B Road		2.5	63.00	0.15		23.63		
15th B Main Road		2.5	175.00	0.15		65.63		
1st Cross Road		2.5	245.00	0.15		91.88		
14th A Cross		2.5	85.00	0.15		31.88		
3rd Cross Rd		2.5	425.00	0.15		159.38		
5th Cross Road		2.5	375.00	0.15		140.63		
		2.5	375.00	0.15		140.63		
6th Cross road		2.5	439.00	0.15		164.63		
12th Main Rd		2.5	240.00	0.15		90.00		
13th Main Road		2.5	464.00	0.15		174.00		
4th cross Road		2.5	392.00	0.15		147.00		
HMT Layout								
7th Cross Road		2.5	310.00	0.15		116.25		
3rd Cross Rd Akkiyappa Gardan		2.5	245.00	0.15		91.88		
6th Main Road		2.5	115.00	0.15		43.13		
5th Cross Road		2.5	140.00	0.15		52.50		
9th Cross Road		2.5	271.00	0.15		101.63		
10th Cross Road		2.5	280.00	0.15		105.00		
12th Cross Road		2.5	288.00	0.15		108.00		
14th A Main Rd		2.5	87.00	0.15		32.63		
Muthyalana Nagara								
5th B Cross Road		2.5	366.00	0.15		137.25		
15th A crossRoad		2.5	352.00	0.15		132.00		
15th crossRoad		2.5	392.00	0.15		147.00		
18th Cross Road		2.5	510.00	0.15		191.25		
17th Cross Road		2.5	564.00	0.15		211.50		
						3897.75	**454.74**	**1772462.84**
Basic Rate	429.00							
Area Weightage @ 6%	25.74							
Total	**454.74**							

KSRRB M800 **Road markers / Road stud** KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications Page No. 189/ Item No. 24.41 PWD SR 2018-19

Road Marking	No's							
Resurfacing								
Sri Chowdeshwari Temple Road		185				185.00		
60ft Road		21				21.00		
0		161				161.00		
15th Main Road		265				265.00		
13th C Main Road		115				115.00		
13th B Main Road		131				131.00		
2nd Cross Road		161				161.00		
1st A Main Rd		37				37.00		
16th Main Rd		185				185.00		
15th A Main Road		137				137.00		
14th B Main Rd		122				122.00		
14th A Main Rd		123				123.00		
14th Main Rd		102				102.00		
Smiles Hospetal Rd		91				91.00		

2nd Cross Road		158				158.00		
14th Main 2nd Cross		136				136.00		
2nd B Road		42				42.00		
15th B Main Road		117				117.00		
1st Cross Road		163				163.00		
14th A Cross		57				57.00		
3rd Cross Rd		283				283.00		
5th Cross Road		250				250.00		
0		250				250.00		
6th Cross road		293				293.00		
12th Main Rd		160				160.00		
13th Main Road		309				309.00		
4th cross Road		261				261.00		
HMT Layout								
7th Cross Road		207				207.00		
3rd Cross Rd Akkiyappa Gardan		163				163.00		
6th Main Road		77				77.00		
5th Cross Road		93				93.00		
9th Cross Road		181				181.00		
10th Cross Road		187				187.00		
12th Cross Road		192				192.00		
14th A Main Rd		58				58.00		
Muthyalana Nagara								
5th B Cross Road		244				244.00		
15th A crossRoad		235				235.00		
15th crossRoad		261				261.00		
18th Cross Road		340				340.00		
17th Cross Road		376				376.00		
						6929.00	**357.22**	**2475177.38**
Basic Rate	337.00							
Area Weightage @ 6%	20.22							
Total	**357.22**							

KSRRB M600-1.Providing and Constructing **dry lean cement concrete** mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. Page No. 174/ Item No. 22.1.2 PWD SR 2018-19

CC Roads	Cum							
14th B Main Road		1	72.00	4.70	0.15	50.76		
W0435		1	110.00	3.20	0.15	52.80		
5th Cross Road		1	132.00	5.90	0.15	116.82		
5th B Cross Road		1	74.00	5.30	0.15	58.83		
		1	20.00	4.20	0.15	12.60		
5th B Cross Road		1	30.00	4.70	0.15	21.15		
3rd Cross Rd SBM Colony		1	35.00	7.20	0.15	37.80		
						350.76	3884.90	**1362667.52**
Basic Rate	3,665.00							
Area Weightage 6%	219.90							
Total Rate	3,884.90							

Constructing un-reinforced, plain **cement concrete for pavements** using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel,laying and fixing of 125 micron thick polythene film, wedges, steelplates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. Page No. 176/ Item No. 22.6.1 PWD SR 2018-19

CC Roads	Cum							
14th B Main Road		1	110.00	3.20	0.20	70.40		
W0435		1	132.00	5.90	0.20	155.76		

5th Cross Road		1	74.00	5.30	0.20	78.44		
5th B Cross Road		1	20.00	4.20	0.20	16.80		
		1	30.00	4.70	0.20	28.20		
5th B Cross Road		1	35.00	7.20	0.20	50.40		
						400.00	5210.96	**2084384.00**
Basic Rate	4,916.00							
Area Weightage 6%	294.96							
Total Rate	5,210.96							

Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Page No. 176/ Item No. 22.1.2 PWD SR 2018-19

CC Roads	Cum							
14th B Main Road		1	110.00	3.20		352.00		
W0435		1	132.00	5.90		778.80		
5th Cross Road		1	74.00	5.30		392.20		
5th B Cross Road		1	20.00	4.20		84.00		
		1	30.00	4.70		141.00		
5th B Cross Road		1	35.00	7.20		252.00		
						2000.00	72.08	**144160.00**
Basic Rate	68.00							
Area Weightage 6%	4.08							
Total Rate	72.08							

Sub Total	**95264768.60**
GST 12%	**11431772.23**
PMC 1.5%	**1650000.00**
DPR 1.5%	**1650000.00**
Miscellaneous	**3459.16**
Grand Total	**110000000.00**

ನಂ.: 149 ದಿನಾಂಕ: 2/09/2020
ರೂ. 1100.00 lakh [one thousand one hundred lakh only]
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕವಲಯ ನಗರ ವಿಭಾಗ
ಜ.ಬೃ.ಬೆಂ.ಮ., ಬೆಂಗಳೂರು-72

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2018-19
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Consultants

Asst Engineer
Ward No 17
BBMP

Asst Executive Engineer
Yeshwanthpur Lakshmidevinagar Sub Division
BBMP

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕವಲಯ ಲಕ್ಷ್ಮೀದೇವಿನಗರ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು – 560 054

Executive Engineer
Yelahanka Zone Division
BBMP

TECHNICAL SANCTION

Rs: 110000000 (Rs Eleven Crore only) is accorded
under the head: P-3744 (M
Nava Nagarothan.
By CE(R.R.N.) P.N. 60-61
Registered as CE (R.R.N) No: 231/19-20 subject
to conditions contained in enclosed memo
No: 231/19-20 Date. 24/10/19

TA,

CE (R.R.N.)
20/07/2020